UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

September 29, 2022

Ex. 6 Personal Privacy (PP)

SENT VIA EMAIL

Los Altos, California 94024-3161
shashi@shashijaggia.com

Re: Building-Specific Evaluation of Indoor Air and Mitigation Measures Report
Vapor Intrusion Investigation Findings – Effective VI Mitigation System
Ex. 6 Personal Privacy (PP) (Eastern Building) (RES071/099/160), Sunnyvale, CA 94085
Signetics (Philips Semiconductors), AMD 901-902, TRW Microwave ("Triple Site" Superfund Site CERCLIS ID# CAD070466479)

Dear Ex. 6 Personal Privacy (PP)

Thank you for your cooperation and participation in the U.S. Environmental Protection Agency's (EPA) trichloroethene (TCE) vapor intrusion investigations in Sunnyvale, California. As a reminder, this letter comes to you as part of the EPA Superfund Triple Site environmental study being conducted by EPA in the San Miguel neighborhood. The purpose of the vapor intrusion study is to investigate the potential for TCE vapors from nearby contaminated groundwater migrating into the indoor air of residences and schools in the area. Enclosed with this letter is a fact sheet that explains the investigation in more detail.

The enclosed Building-Specific Evaluation of Indoor Air Report (BSER) has been prepared by Locus Technologies, which EPA approved. This Final BSER provides the current status of activities and data evaluation of the vapor intrusion investigation at your property (specifically the eastern building at 755 East Duane). Section 6 of the enclosed BSER summarizes the indoor air sampling test results at your property and the EPA-approved recommendations.

Please keep these documents for your personal records. These documents should be disclosed as part of any future property transactions.

The findings and next steps are summarized as follows:

- Indoor air test results did not initially meet EPA's TCE Accelerated Response short-term health protective Action Level (2 micrograms per cubic meter [$\mu g/m^3$]) and indicated unacceptable vapor intrusion. Therefore, a vapor intrusion mitigation system was installed at your property.

- After the installation of a vapor intrusion mitigation system, the indoor air test results through the second winter of operation demonstrate that the mitigation system is effective in reducing TCE vapor intrusion and meet EPA's long-term health protective Screening Level of 0.48 $\mu g/m^3$. An Operations and Maintenance Plan for routine inspections has been prepared for the operation of the vapor intrusion mitigation system (refer to Section 9 of the enclosed BSER).

- Long-term, indoor air testing is recommended every five years, as described in Section 10 of the enclosed BSER.

EPA Health Protection Goals

EPA's goal for Superfund site-related chemicals is to keep exposures below EPA's TCE Action Levels and long-term health protective screening levels. Exceeding EPA's TCE Urgent and Accelerated Response Action Levels of 6.0 $\mu g/m^3$ and 2.0 $\mu g/m^3$ indicate steps should be taken within days to weeks to quickly reduce TCE exposure because of the possible short-term effects to unborn children. The TCE 30-year exposure screening level of 0.48 µg/L is used to guide actions that may be needed long-term to protect health. EPA uses this information to determine whether additional testing or response activities are necessary to confirm that levels continue to remain protective of human health over time. The enclosed California Office of Environmental Health Hazard Assessment for TCE provides more information on TCE health protective Action Levels and screening levels.

Next Steps

Locus Technologies will continue to verify the performance of the vapor intrusion mitigation system installed at your property, including indoor air sampling and operations and maintenance. Locus Technologies will reach out to you to coordinate visits to the property for these ongoing efforts. If you have any questions on the vapor intrusion mitigation system, please reach out to Nancy-Jeanne LeFevre (Project Technical Lead), Locus Technologies, at [HYPERLINK "mailto:lefevren@locustec.com"].

Please call Locus' mitigation services at 408-329-6654 or e-mail Ms. LeFevre if any significant changes are conducted to your building in the future. Certain types of renovations can increase a building's likelihood for vapor intrusion. EPA or Locus Technologies can schedule a quick visit with you to go over any renovation plans and discuss if another round of sampling or other response actions would be appropriate. The following are examples of building renovations that should be reported to Locus:

- Drilling holes through the floor for a new toilet or telephone/internet cable, which can create a new pathway for vapors to enter the building.
- Changes to the heating system, which could pull vapors into the building.
- Plans to remodel beyond cosmetic changes (for example, any construction that may affect the foundation, crawlspace, or HVAC system of your building).

Please feel free to contact me anytime at [HYPERLINK "mailto:abreu.lilian@epa.gov"] or 415-972-3010 if you have any questions or comments. Thank you again for your cooperation and participation in this vapor intrusion investigation.

Sincerely,

Lilian Abreu, PhD
Remedial Project Manager
Superfund and Emergency Management Division

Enclosures:
EPA Fact Sheet of the Triple Site Vapor Intrusion Investigation (April 2016)
California Office of Environmental Health Hazard Assessment for TCE
Final Building-Specific Indoor Air Sampling and Mitigation Measures Evaluation Report dated October 19, 2021

cc: J. Wesley Hawthorne, Locus Technologies (via email)
Nancy-Jeanne LeFevre, Locus Technologies (via email)
Shau-Luen Barker, Philips North America LLC (via email)
Cynthia Woo, APTIM Federal Services, LLC (via email)